

**Amendments to the Claims:**

Please amend the claims as follows:

Claim 1 (Original): A dispenser for dispensing a metered volume of a fluid product having:-

- (a) a storage chamber for storing the fluid product in;
- (b) an outlet orifice through which the fluid product is dispensable from the dispenser;
- and
- (c) a dispensing mechanism adapted in use to dispense a metered volume of the fluid product from the storage chamber through the outlet orifice;

wherein the dispensing mechanism has:-

- (i) a metering chamber which is adapted in use to provide the metered volume of the fluid product for discharge through the outlet orifice, the metering chamber being movable between:-

a first volumetric state, in which the metering chamber has a first volume greater than the metered volume and is in fluid communication with the storage chamber such that, in use, an excess volume of the fluid product consisting of the metered volume and a surplus volume is transferable to the metering chamber from the storage chamber, and

a second volumetric state, in which the metering chamber has a second volume less than the first volume and no less than the metered volume and is isolated from the storage chamber such that, in use, the metered volume of the fluid product is contained in the metering chamber ready for dispensing through the outlet orifice; and

- (ii) a bleed arrangement adapted in use to bleed the surplus volume of the fluid product from the metering chamber as it moves from the first volumetric state to the second volumetric state.

Claim 2 (Original): The dispenser of claim 1 in which the second volume defines the metered volume.

Claim 3 (Currently amended): The dispenser of claim 1 [[or 2]], wherein the metering chamber has a boundary wall structure, the metering and storage chambers are placed

in fluid communication through a port structure in the boundary wall structure and the port structure is selectively opened and closed when the metering chamber is in its first and second volumetric states, respectively.

Claim 4 (Original): The dispenser of claim 3, wherein the boundary wall structure has first and second wall members and the metering chamber is movable between its first and second volumetric states by relative movement of the first and second wall members between first and second positions, respectively.

Claim 5 (Original): The dispenser of claim 4, wherein the port structure is formed in the second wall member and wherein the first wall member is spaced from the port structure in the first position and closes the port structure in the second position.

Claim 6 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1, wherein the metering chamber is further movable from the second volumetric state to a third volumetric state which has a volume less than the second volume, movement of the metering chamber from the second to third volumetric states causing dispensing of the metered volume through the outlet orifice.

Claim 7 (Currently amended): The dispenser of claim 6, wherein the metering chamber has a boundary wall structure, the metering and storage chambers are placed in fluid communication through a port structure in the boundary wall structure and the port structure is selectively opened and closed when the metering chamber is in its first and second volumetric states, respectively ~~when appended to claim 3, and~~ wherein the port structure remains shut during movement from the second to third volumetric states.

Claim 8 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 in which the metering chamber is reversibly movable between its different volumetric states thereby enabling the dispenser to dispense multiple metered volumes of the fluid product.

Claim 9 (Currently amended): The dispenser of ~~any one of claims 6 to 8~~ claim 6, wherein the metering chamber has a boundary wall structure, the metering and storage chambers are placed in fluid communication through a port structure in the boundary wall structure and the port structure is selectively opened and closed when the metering chamber is in its first and second volumetric states, respectively, wherein the boundary wall structure has first and second wall members and the metering chamber is movable between its first and second volumetric states by relative movement of the first and second wall members between first and second positions, respectively, and ~~when appended to claim 4~~, wherein the metering chamber is movable between the second and third volumetric states by relative movement of the first and second wall members between the second position and a third position.

Claim 10 (Original): The dispenser of claim 9, wherein the first wall member is adapted so as to keep the port structure closed between the second and third positions.

Claim 11 (Currently amended): The dispenser of claim 4, ~~claim 5, or of any one of claims 6 to 10 when appended to claim 4 or 5~~, wherein the first and second wall members are respectively movable and static wall members of the dispenser.

Claim 12 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 further having a valve mechanism which acts to close the outlet orifice when the metering chamber is between the first and second volumetric states.

Claim 13 (Currently amended): The dispenser of claim 12, ~~when appended to claim 6~~ wherein the metering chamber is further movable from the second volumetric state to a third volumetric state which has a volume less than the second volume, movement of the metering chamber from the second to third volumetric states causing dispensing of the metered volume through the outlet orifice in which the valve mechanism further acts to open the outlet orifice when the metering chamber moves from its second volumetric state to its third volumetric state.

Claim 14 (Original): The dispenser of claim 13 in which the valve mechanism is such as to return to a closed position in which it closes the outlet orifice when the metering chamber reaches its third volumetric state.

Claim 15 (Currently amended): The dispenser of ~~any one of claims 12 to 14~~ claim 12 in which the valve mechanism is a non-return valve.

Claim 16 (Currently amended): The dispenser of ~~any one of claims 12 to 15~~ claim 12 in which the valve mechanism has a flap structure overlying the outlet orifice which selectively adopts opening and closing positions on the outlet orifice in response to the volumetric state of the metering chamber.

Claim 17 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 in which the outlet orifice is a spray-head.

Claim 18 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 in which the bleed arrangement is adapted in use to bleed the surplus volume of the fluid product in the metering chamber to the storage chamber.

Claim 19 (Currently amended): The dispenser of claim 18, ~~when dependent on claim 3~~ wherein the metering chamber has a boundary wall structure, the metering and storage chambers are placed in fluid communication through a port structure in the boundary wall structure and the port structure is selectively opened and closed when the metering chamber is in its first and second volumetric states, respectively, and wherein the bleed arrangement is adapted in use to bleed the surplus volume of the fluid product to the storage chamber through the port structure.

Claim 20 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 in which movement of the metering chamber from its second volumetric state

to its first volumetric state is such as to cause fluid product held in the storage chamber to be transferred to the metering chamber.

Claim 21 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 wherein the storage chamber moves from an expanded volumetric state to a contracted volumetric state in response to the metering chamber moving from the second volumetric state towards its first volumetric state.

Claim 22 (Original): The dispenser of claim 21 in which the storage chamber is reversibly movable to the expanded volumetric state in response to the metering chamber moving from its first volumetric state towards the second volumetric state.

Claim 23 (Currently amended): The dispenser of claim 21 ~~[[or 22]]~~ in which the storage chamber is caused to move between its expanded and contracted volumetric states by pressures created by movement of the metering chamber between its first and second volumetric states.

Claim 24 (Currently amended): The dispenser of claim 23 ~~when appended to any one of claims 12 to 16,~~ further having a valve mechanism which acts to close the outlet orifice when the metering chamber is between the first and second volumetric states, wherein the valve mechanism has an opening pressure threshold which is greater than the pressure needed to move the storage chamber from its contracted state to its expanded state whereby the valve mechanism remains in a closed position during movement of the metering chamber from its first volumetric state to its second volumetric state.

Claim 25 (Currently amended): The dispenser of ~~any one of claims 21 to 24~~ claim 21 in which the volume of the expanded volumetric state of the storage chamber decreases after each metered volume dispensed.

Claim 26 (Currently amended): The dispenser of ~~any one of claims 21 to 25~~ claim 21 in which the storage chamber has a boundary wall structure having first and second wall members which move relative to one another between first and second positions to bring the storage chamber to its expanded and contracted volumetric states, respectively.

Claim 27 (Currently amended): The dispenser of claim 26, ~~when appended to claim 3~~ wherein the metering chamber has a boundary wall structure, the metering and storage chambers are placed in fluid communication through a port structure in the boundary wall structure and the port structure is selectively opened and closed when the metering chamber is in its first and second volumetric states, respectively, in which the port structure is located in the first wall member of the storage chamber with the second wall member of the storage chamber being spaced from the port structure in the first position.

Claim 28 (Original): The dispenser of claim 27 wherein the spacing of the second wall member from the port structure when in the first position decreases after each metered volume dispensed.

Claim 29 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 which is hand-held with the dispensing mechanism hand-operable.

Claim 30 (Currently amended): The dispenser of claim 9, ~~or claim 10 or any one of claims 11 to 29 when appended to claim 9 or 10~~ in which the first wall member of the metering chamber is operatively connected to an actuating arrangement which in a first mode of operation moves the first wall member to the first position and in a second mode of operation moves the first wall member to the third position.

Claim 31 (Original): The dispenser of claim 30 in which the first wall member of the metering chamber forms the head of a plunger structure of the actuating arrangement

which is mounted for reciprocal movement in the dispenser for moving the head between the different positions relative to the second wall member.

Claim 32 (Currently amended): The dispenser of claim 4 [[or any one of claims 5 to 31 when appended to claim 4]] in which the first wall member of the metering chamber forms an end wall of the metering chamber which is mounted for sealing slidable movement on the second wall member.

Claim 33 (Currently amended): The dispenser of claim 26 ~~or any one of claims 27 to 32 when appended to claim 26~~ in which the second wall member of the storage chamber forms an end wall of the storage chamber which is mounted for sealing slidable movement on the first wall member.

Claim 34 (Currently amended): The dispenser of claim 30 ~~or 31~~, wherein the actuating arrangement has a biasing member which biases the first wall member of the metering chamber to the third position in the second mode of operation.

Claim 35 (Currently amended): The dispenser of ~~any one of the preceding claims~~ claim 1 having a fluid product contained in the storage chamber.

Claim 36 (Original): The dispenser of claim 35 in which the fluid product is selected from the group consisting of a liquid, a viscous product, a powder and a gas.

Claim 37 (Currently amended): The dispenser of claim 35 ~~or 36~~ in which the fluid product is a medicament.

Claim 38 (Currently amended): A dispenser unit having a dispenser according to ~~any one of the preceding claims~~ claim 1 in which the outlet orifice is an outlet orifice of the unit through which the metered volume of the fluid product is, in use, dispensed to the external environment.

Claim 39 (Currently amended): A device unit having a dispenser according to ~~any one of claims 1 to 37~~ claim 1, wherein the outlet orifice is an internal orifice of the unit through which, in use, the metered volume of the fluid product is dispensed into the unit.

Claim 40 (Original): The device unit of claim 39 further having an outlet orifice which opens to the external environment about the unit and means for conveying the fluid product dispensed through the internal orifice to the external environment through the outlet orifice.

Claim 41 (Original): The device unit of claim 40 in which the conveying means is such as to change the state of the fluid product.

Claim 42 (Currently amended): The device unit of claim 40 ~~or 41~~ in which the conveying means has a vibrating element to aerosolise a liquid dispensed by the dispenser.

Claim 43 (Original): The device unit of claim 42 in which the vibrating element is a piezoelectric element.

Claim 44 (Canceled)